

WHAT IS CLAIMED IS:

1. An actuator consisting of a conjugated polymeric material, whereby said material expands when an electrical voltage is applied between two locations thereof and contracts when the electrical voltage is reduced.

2. The actuator as described in claim 1 wherein said conjugated polymeric material comprises ~~polyaniline~~.

3. A method of actuation comprising the step of directly electrically stimulating a conjugated polymeric material at two locations thereof.

4. The method of actuation as described in claim 3, wherein said conjugated polymeric material comprises ~~polyaniline~~.

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